

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082824\
 Data File : VN083532.D
 Acq On : 28 Aug 2024 13:42
 Operator : JC\MD
 Sample : VN0828WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/29/2024
 Supervised By : Mahesh Dadoda 08/29/2024

Quant Time: Aug 28 15:36:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N082824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 28 12:23:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.812	128	29517	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	170608	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	154062	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82641	31.150	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.833%	
60) 4-Bromofluorobenzene	12.847	95	82465	30.235	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.767%	
63) Toluene-d8	10.565	98	210559	29.604	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 98.667%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	37192	18.762	ug/l	100
3) Chloromethane	2.359	50	36425	17.870	ug/l	96
4) Vinyl Chloride	2.512	62	38887	18.168	ug/l	97
5) Bromomethane	2.900	94	19724	18.917	ug/l	95
6) Chloroethane	3.065	64	24710	17.623	ug/l	96
7) Trichlorofluoromethane	3.459	101	64499	18.233	ug/l	93
8) Diethyl Ether	3.953	74	24107	19.400	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.353	101	36196	18.519	ug/l	94
10) 1,1-Dichloroethene	4.330	96	33318	18.006	ug/l	84
11) Methyl Iodide	4.577	142	47636	18.705	ug/l	97
12) Methyl Acetate	5.030	43	64275	20.238	ug/l #	77
13) Acrolein	4.177	56	30642	100.035	ug/l	98
14) Acrylonitrile	5.718	53	96182	97.524	ug/l	97
15) Acetone	4.430	58	26191	89.754	ug/l	75
16) Carbon Disulfide	4.694	76	84050	16.858	ug/l	98
17) Allyl chloride	5.018	41	55935	16.372	ug/l	89
18) Methylene Chloride	5.265	84	38338	18.681	ug/l	92
19) trans-1,2-Dichloroethene	5.777	96	34024	17.838	ug/l	94
20) Diisopropyl ether	6.671	45	124617	18.756	ug/l	92
21) 1,1-Dichloroethane	6.565	63	70262	18.731	ug/l	95
22) cis-1,2-Dichloroethene	7.482	96	43391	18.390	ug/l	93
23) tert-Butyl Alcohol	5.541	59	42594m	102.363	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	132898	19.393	ug/l	95
25) Chloroform	7.965	83	74339	18.691	ug/l	98
26) Cyclohexane	8.259	56	57509	17.635	ug/l #	90
29) 1,1-Dichloropropene	8.371	75	47995	17.932	ug/l	98
30) 2-Butanone	7.488	43	138209	100.653	ug/l	94
31) 2,2-Dichloropropane	7.488	77	63762	18.372	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	67242	18.798	ug/l	97
33) Carbon Tetrachloride	8.365	117	57871	18.580	ug/l	99
34) Benzene	8.606	78	154220	18.988	ug/l	97
35) Methacrylonitrile	7.777	41	32284	20.320	ug/l	97
36) 1,2-Dichloroethane	8.671	62	61157	20.195	ug/l #	94
37) Trichloroethene	9.347	130	35483	18.435	ug/l	95
38) Methylcyclohexane	9.600	83	60619	18.468	ug/l	97
39) 1,2-Dichloropropane	9.618	63	38106	19.297	ug/l	100
40) Dibromomethane	9.712	93	27383	19.318	ug/l	95
41) Bromodichloromethane	9.888	83	59546	19.437	ug/l	94
42) Vinyl Acetate	6.600	43	666390	98.892	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	56767	21.525	ug/l	97
44) Isopropyl Acetate	8.688	43	119124	19.119	ug/l #	81
45) 1,4-Dioxane	9.700	88	17116	423.625	ug/l	96
46) Methyl methacrylate	9.682	41	46649	20.262	ug/l	84
47) n-amyl Acetate	12.494	43	83477	19.468	ug/l	90
48) t-1,3-Dichloropropene	10.835	75	61016	18.781	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	63670	18.800	ug/l #	87
50) 1,1,2-Trichloroethane	11.018	97	37389	19.681	ug/l	94
51) Ethyl methacrylate	10.876	69	63815	19.261	ug/l	72
52) 1,3-Dichloropropane	11.165	76	66404	20.018	ug/l	99
53) Dibromochloromethane	11.359	129	42716	19.193	ug/l	99
54) 1,2-Dibromoethane	11.470	107	37789	19.415	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	140846	99.858	ug/l	98
56) Bromoform	12.582	173	28094	19.334	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	278708	102.002	ug/l #	90
59) 2-Hexanone	11.194	43	212094	101.216	ug/l	90
61) Tetrachloroethene	11.106	164	30042	18.361	ug/l	97
62) Toluene	10.629	91	165090	18.525	ug/l	100
64) Chlorobenzene	11.888	112	103611	18.767	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	35751	18.194	ug/l	94
66) Ethyl Benzene	11.965	91	183799	18.282	ug/l	97
67) m/p-Xylenes	12.070	106	138503	37.170	ug/l	98
68) o-Xylene	12.400	106	69875	19.096	ug/l	99
69) Styrene	12.412	104	113914	18.285	ug/l	98
70) Isopropylbenzene	12.694	105	177059	18.319	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	56369	19.966	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	50472m	20.704	ug/l	
73) Bromobenzene	12.982	156	40613	18.565	ug/l	91
74) n-propylbenzene	13.035	91	203307	18.155	ug/l	99
75) 2-Chlorotoluene	13.123	91	132143	18.437	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	150232	18.619	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	20131	19.029	ug/l	98
78) 4-Chlorotoluene	13.223	91	128210	18.020	ug/l	99
79) tert-butylbenzene	13.441	119	135304	18.724	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	151199	18.382	ug/l	98
81) sec-Butylbenzene	13.617	105	178140	18.312	ug/l	99
82) p-Isopropyltoluene	13.729	119	147607	17.922	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	76562	17.917	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	75727	17.644	ug/l	99
85) n-Butylbenzene	14.059	91	123881	16.972	ug/l	98
86) Hexachloroethane	14.335	117	29109	18.046	ug/l	87
87) 1,2-Dichlorobenzene	14.106	146	76958	18.295	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	13658	21.158	ug/l	87
89) 1,2,4-Trichlorobenzene	15.835	180	39661	17.198	ug/l	99
90) Hexachlorobutadiene	15.506	225	17496	17.856	ug/l	96
91) Naphthalene	15.641	128	140526	17.629	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	39661	17.198	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

